

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF
RECORD COPY

(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

OHSHIMA, Masataka
 Ohshima Patent Office
 Fukuya Bldg.
 3, Yotsuya 4-chome
 Shinjuku-ku, Tokyo 160-0004
 Japan

RECEIVED

MAY. - 2. 2005

OHSHIMA PATENT
OFFICE

| | |
|--|--|
| Date of mailing (day/month/year) 17 April 2005 (17.04.2005) | IMPORTANT NOTIFICATION |
| Applicant's or agent's file reference G50SUN | International application No. PCT/JP2005/002101 |

The applicant is hereby **notified** that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

SUN MEDICAL CO., LTD. (for all designated States except US)
 ZENG, Weiping et al (for US)

International filing date : 04 February 2005 (04.02.2005)

Priority date(s) claimed : 06 February 2004 (06.02.2004)

Date of receipt of the record copy by the International Bureau : 24 February 2005 (24.02.2005)

List of designated Offices :

AP :BW,GH,GM,KE,LS,MW,MZ,NA,SD,SL,SZ,TZ,UG,ZM,ZW

EA :AM,AZ,BY,KG,KZ,MD,RU,TJ,TM

EP :AT,BE,BG,CH,CY,CZ,DE,DK,EE,ES,FI,FR,GB,GR,HU,IE,IS,IT,LT,LU,MC,NL,PL,PT,RO,SE,SI,SK,TR

OA :BF,BJ,CF,CG,CI,CM,GA,GN,GQ,GW,ML,MR,NE,SN,TD,TG

National :AE,AG,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BW,BY,BZ,CA,CH,CN,CO,CR,CU,CZ,DE,DK,DM,DZ,EC,EE,EG,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KP,KR,KZ,LC,LK,LR,LS,

LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NA,NI,NO,NZ,OM,PG,PH,PL,PT,RO,RU,SC,SD,SE,SG,SK,SL,SM,SY,TJ,TM,TN,TR,TT,TZ,UA,UG,US,UZ,VC,VN,YU,ZA,ZM,ZW

The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

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Hitomi ODAKA (Fax 338 9090)

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Continuation of Form PCT/IB/301

NOTIFICATION OF RECEIPT OF RECORD COPY

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| Date of mailing (day/month/year) 17 April 2005 (17.04.2005) | IMPORTANT NOTIFICATION |
| Applicant's or agent's file reference G50SUN | International application No. PCT/JP2005/002101 |

ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- time limits for entry into the national phase - see updated important information (as of April 2002)
- requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated on the cover sheet of this Notification by paying national fees and furnishing translations, as prescribed by Articles 22 and 39 and the applicable national laws. In addition, the applicant may also have to comply with other special requirements applicable in certain Offices. It is the applicant's responsibility to ensure the necessary steps to enter the national phase are taken in a timely fashion. Most Offices do not issue reminders to applicants in connection with the entry into the national phase.

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date (see Article 39(1)), but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see PCT Gazette No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette ("Section IV" part published on a weekly basis), to the PCT Newsletter (on a monthly basis) and to the relevant National Chapters in Volume II of the PCT Applicant's Guide (the paper version of which is updated usually twice a year and the Internet version of which is updated usually on a weekly basis). Finally, a cumulative table of all applicable time limits for entering the national phase is available from WIPO's Internet site, via links from various pages the site including those of the Gazette, Newsletter and Guide, at <http://www.wipo.int/pct/en/index.html>.

Information about the requirements for filing a demand for international preliminary examination is set out in the PCT Applicant's Guide, Volume I/A, Chapter IX. Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within the time limit which is reasonable under the circumstances (Rule 17.1(c)).

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit (and all other PCT time limits) is the filing date of the earliest application whose priority is claimed (Article 2(xi)(b)).

From the INTERNATIONAL BUREAU

PCT

**NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)

To:

OHSHIMA, Masataka
Ohshima Patent Office
Fukuya Bldg.
3, Yotsuya 4-chome
Shinjuku-ku, Tokyo 160-0004
JAPON



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| Date of mailing (<i>day/month/year</i>) 22 April 2005 (22.04.2005) | |
| Applicant's or agent's file reference G50SUN | IMPORTANT NOTIFICATION |
| International application No. PCT/JP05/002101 | International filing date (<i>day/month/year</i>) 04 February 2005 (04.02.2005) |
| International publication date (<i>day/month/year</i>) | Priority date (<i>day/month/year</i>) 06 February 2004 (06.02.2004) |
| Applicant SUN MEDICAL CO., LTD. et al | |

1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. *(If applicable)* The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
3. *(If applicable)* An asterisk (*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as the priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

| <u>Priority date</u> | <u>Priority application No.</u> | <u>Country or regional Office or PCT receiving Office</u> | <u>Date of receipt of priority document</u> |
|-------------------------------|---------------------------------|---|---|
| 06 February 2004 (06.02.2004) | 2004-30991 | JP | 24 March 2005 (24.03.2005) |

| | |
|---|---|
| The International Bureau of WIPO 34, chemin des Colombettes 1211 Gcneva 20, Switzerland | Authorized officer Hammouda Abdessalem |
| Facsimile No. +41 22 740 14 35 | Facsimile No. +41 22 338 90 90 Telephone No. +41 22 338 7119 |

PATENT COOPERATION TREATY

WPO 2005/00210
PCT/JP2005/00210

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
APPLICATION AS PUBLISHED OR REPUBLISHED

To:

OHSHIMA, Masataka
Ohshima Patent Office
Fukuya Bldg.
3, Yotsuya 4-chome
Shinjuku-ku, Tokyo 160-0004
JAPON



Date of mailing (day/month/year)
18 August 2005 (18.08.2005)

Applicant's or agent's file reference
G50SUN

IMPORTANT NOTICE

International application No.
PCT/JP2005/002101

International filing date (day/month/year)
04 February 2005 (04.02.2005)

Priority date (day/month/year)
06 February 2004 (06.02.2004)

Applicant
SUN MEDICAL CO., LTD. et al

The International Bureau transmits herewith the following documents:

copy of the international application as published by the International Bureau on 18 August 2005 (18.08.2005) under
No. WO 2005/074862

copy of international application as republished by the International Bureau on under
No. WO

For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (*as the case may be*) on the front page of the attached document.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 90 90

特許協力条約

PCT

特許性に関する国際予備報告（特許協力条約第二章）

(法第 12 条、法施行規則第 56 条)
[PCT 36 条及び PCT 規則 70]



| | | |
|---|--------------------------------------|---------------------------|
| 出願人又は代理人 の書類記号 G50SUN | 今後の手続きについては、様式 PCT/IPEA/416 を参照すること。 | |
| 国際出願番号 PCT/JP2005/002101 | 国際出願日 (日.月.年) 04.02.2005 | 優先日 (日.月.年) 06.02.2004 |
| 国際特許分類 (IPC) Int.Cl. A61K6/00 (2006.01) | | |
| 出願人（氏名又は名称） サンメディカル株式会社 | | |

| |
|---|
| <p>1. この報告書は、PCT 35 条に基づきこの国際予備審査機関で作成された国際予備審査報告である。 法施行規則第 57 条 (PCT 36 条) の規定に従い送付する。</p> <p>2. この国際予備審査報告は、この表紙を含めて全部で <u>3</u> ページからなる。</p> <p>3. この報告には次の附属物件も添付されている。</p> <p>a. <input checked="" type="checkbox"/> 附属書類は全部で <u>2</u> ページである。</p> <p><input checked="" type="checkbox"/> 振正されて、この報告の基礎とされた及び／又はこの国際予備審査機関が認めた訂正を含む明細書、請求の範囲及び／又は図面の用紙 (PCT 規則 70.16 及び実施細則第 607 号参照)</p> <p><input type="checkbox"/> 第 I 欄 4. 及び補充欄に示したように、出願時における国際出願の開示の範囲を超えた補正を含むものとこの国際予備審査機関が認定した差替え用紙</p> <p>b. <input type="checkbox"/> 電子媒体は全部で _____ (電子媒体の種類、数を示す)。 配列表に関する補充欄に示すように、電子形式による配列表又は配列表に関連するテーブルを含む。 (実施細則第 802 号参照)</p> |
| <p>4. この国際予備審査報告は、次の内容を含む。</p> <p><input checked="" type="checkbox"/> 第 I 欄 国際予備審査報告の基礎 <input type="checkbox"/> 第 II 欄 優先権 <input type="checkbox"/> 第 III 欄 新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成 <input type="checkbox"/> 第 IV 欄 発明の單一性の欠如 <input checked="" type="checkbox"/> 第 V 欄 PCT 35 条(2) に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明 <input type="checkbox"/> 第 VI 欄 ある種の引用文献 <input type="checkbox"/> 第 VII 欄 国際出願の不備 <input type="checkbox"/> 第 VIII 欄 国際出願に対する意見</p> |

| | |
|---|------------------------------|
| 国際予備審査の請求書を受理した日 02.09.2005 | 国際予備審査報告を作成した日 15.06.2006 |
| 名称及びあて先 日本国特許庁 (IPEA/JP) 郵便番号 100-8915 東京都千代田区霞が関三丁目 4 番 3 号 | 特許庁審査官 (権限のある職員) 鶴見 秀紀 |
| | 4C 8415 |
| | 電話番号 03-3581-1101 内線 3452 |

第I欄 報告の基礎

1. 言語に関し、この予備審査報告は以下のものを基礎とした。

出願時の言語による国際出願
 出願時の言語から次の目的のための言語である _____ 語に翻訳された、この国際出願の翻訳文
 国際調査 (PCT規則12.3(a)及び23.1(b))
 国際公開 (PCT規則12.4(a))
 国際予備審査 (PCT規則55.2(a)又は55.3(a))

2. この報告は下記の出願書類を基礎とした。(法第6条 (PCT14条) の規定に基づく命令に応答するために提出された差替え用紙は、この報告において「出願時」とし、この報告に添付していない。)

出願時の国際出願書類

明細書

第 1 - 2 1 ページ、出願時に提出されたもの

第 _____ ページ*、 _____ 付けで国際予備審査機関が受理したもの
 第 _____ ページ*、 _____ 付けで国際予備審査機関が受理したもの

請求の範囲

第 _____ 項、出願時に提出されたもの

第 1, 2, 6, 7 項*、PCT19条の規定に基づき補正されたもの

第 _____ 項*、 _____ 付けで国際予備審査機関が受理したもの
 第 _____ 項*、 _____ 付けで国際予備審査機関が受理したもの

図面

第 _____ ページ/図、出願時に提出されたもの

第 _____ ページ/図*、 _____ 付けで国際予備審査機関が受理したもの
 第 _____ ページ/図*、 _____ 付けで国際予備審査機関が受理したもの

配列表又は関連するテーブル

配列表に関する補充欄を参照すること。

3. 補正により、下記の書類が削除された。

| | | |
|--|---------|-------|
| <input type="checkbox"/> 明細書 | 第 _____ | ページ |
| <input checked="" type="checkbox"/> 請求の範囲 | 第 3 - 5 | 項 |
| <input type="checkbox"/> 図面 | 第 _____ | ページ/図 |
| <input type="checkbox"/> 配列表 (具体的に記載すること) | _____ | |
| <input type="checkbox"/> 配列表に関連するテーブル (具体的に記載すること) | _____ | |

4. この報告は、補充欄に示したように、この報告に添付されかつ以下に示した補正が出願時における開示の範囲を超えてされたものと認められるので、その補正がされなかったものとして作成した。(PCT規則70.2(c))

| | | |
|--|---------|-------|
| <input type="checkbox"/> 明細書 | 第 _____ | ページ |
| <input type="checkbox"/> 請求の範囲 | 第 _____ | 項 |
| <input type="checkbox"/> 図面 | 第 _____ | ページ/図 |
| <input type="checkbox"/> 配列表 (具体的に記載すること) | _____ | |
| <input type="checkbox"/> 配列表に関連するテーブル (具体的に記載すること) | _____ | |

* 4. に該当する場合、その用紙に "superseded" と記入されることがある。

第V欄 新規性、進歩性又は産業上の利用可能性についての法第12条(PCT35条(2))に定める見解、それを裏付ける文献及び説明

1. 見解

| | | |
|-----------------|-------------------------|---|
| 新規性 (N) | 請求の範囲 <u>1, 2, 6, 7</u> | 有 |
| | 請求の範囲 _____ | 無 |
| 進歩性 (I S) | 請求の範囲 <u>1, 2, 6, 7</u> | 有 |
| | 請求の範囲 _____ | 無 |
| 産業上の利用可能性 (I A) | 請求の範囲 <u>1, 2, 6, 7</u> | 有 |
| | 請求の範囲 _____ | 無 |

2. 文献及び説明 (PCT規則70.7)

文献1 : JP 2001-322908 A(株式会社クラレ)2001.11.20

文献2 : JP 5-170618 A(徳山曹達株式会社)1993.07.09

文献3 : JP 2000-159621 A(株式会社クラレ)2000.06.13

文献4 : Hammesfahr P. D. et al, Compomers and hydromers for use in restorative dental procedures, Polymer Preprints, 1997, Vol. 38, No. 2, pp. 131-132

文献5 : JP 6-16520 A(徳山曹達株式会社)1994.01.25, 【0091】実施例5(ファリーなし)

エナメル質接着性組成物において、請求の範囲に記載された2-(メタ)アクリロイルオキシエチルコハク酸等の分子内に酸性基を1つしか持たないモノマーを用いることにより、アミンとの共存を可能とし、接着性組成物であるレジンセメントの安定保存を可能とした点について、上記文献いずれにも記載されていない。そして、そのように構成することは、当業者といえども自明であるとも認められない。よって、請求の範囲1、2、6、7の発明は、新規性及び進歩性を有する。